

ARLINGTON PUBLIC SCHOOLS

In accordance with the provisions of the Massachusetts General laws, Chapter 30A, Section 20, notice is hereby given for the following meeting of the:

***Arlington School Committee
Standing Subcommittee: Budget
Thursday, January 17, 2019
5:30 PM***

*Arlington High School
School Committee Room
869 Mass Avenue, 6th Floor
Arlington, MA*

Budget and CIAA Joint Meeting

Open Meeting

Program of Studies for AHS

Approval of minutes 12 11 2018 CIAA/Budget Minutes

Review draft Long Range Plan Presentation

Review and discuss draft multi-year plan

Next steps in multi-year planning process

Other new business

Adjournment

The listings of matters are those reasonably anticipated by the Chair, which may be discussed at the meeting. Not all items listed may in fact be discussed and other items not listed may also be brought up for discussion to the extent permitted by law.

Stated times and time amounts, listed in parenthesis, are the estimated amount of time for that particular agenda item. Actual times may be shorter or longer depending on the time needed to fully explore the topic.

Submitted by Len Kardon, Budget Chair



Town of Arlington, Massachusetts

Meeting Location

Summary:

Arlington High School
School Committee Room
869 Mass Avenue, 6th Floor
Arlington, MA

Budget and CIAA Joint Meeting



Town of Arlington, Massachusetts

Open Meeting

Summary:



Town of Arlington, Massachusetts

Program of Studies for AHS

ATTACHMENTS:

Type	File Name	Description
▢ Recommendations	Program_of_Studies_2019-2020__Updates.pdf	Program of Studies 2019-2020

Arlington High School
Program of Studies 2019-2020
Updates and New Courses

Policy and General Information Updates

- Home School Students Policy (for submission to the policy sub-committee)

Courses

New Courses

AC3610Z Art and Technology I - Curriculum A	Grades 9, 10, 11, 12	2.5 credits
AC3611Z Art and Technology II - Curriculum A	Grades 9, 10, 11, 12	2.5 credits
AC3600Z Ceramic Sculpture and Pottery I - Curriculum A	Grades 10, 11, 12	2.5 credits
AC3603Z Ceramic Sculpture and Pottery II - Curriculum A	Grades 10, 11, 12	2.5 credits
AC3825Z Drawing I - Curriculum A	Grades *9, 10, 11, 12	2.5 credits
AC3826Z Drawing II - Curriculum A	Grades * 9, 10, 11, 12	2.5 credits
AC3602Z Sculptural and Functional Woodworking - Curriculum A	Grades 9, 10, 11, 12	5 credits
AC3613Z Woodworking II - Curriculum A	Grades 10, 11, 12	5 credits
PE7916Z Athletic Training	Grades 11, 12	2.5 credits
SC4009Z Advanced Placement Physics 3	Grades 11, 12	5 credits
SS7804Z AP Human Geography	Grades 10, 11, 12	5 credits
SS7293Z The Economics of Personal Finance	Grades 11, 12	2.5 credits
SS7295Z Introduction to Economics (Semester Course)	Grades 11, 12	2.5 credits
SS7805Z Participation in Government: Public Policy (Non-SUPA)	Grades 10, 11, 12	2.5 credits
SS7390Z Social History Through Sports	Grades 10, 11, 12	2.5 credits
PE R.A.D. Basic Physical Self Defense	Grades 11,12	2.5 credits
PE R.A.D. for Men	Grades 11,12	2.5 credits

Full Course Descriptions are given below.

Courses being reactivated:

Intro to Economics

Economic Ideas & Policy (SUPA)

Courses being removed:

MA7250Z Fabrication lab - removed 2018-2019

SC7280Z Introduction to Archaeology - removed 2018-2019

PA9240Z PEP Band - Curriculum A

SS7800Z Public Policy and Civic Action

SS7296Z Economics for Life (Curr A)

SS7297Z Economics for Life (Honors)

Course Descriptions for New Courses

AC3610Z Art and Technology I - Curriculum A**Grades 9, 10, 11, 12****2.5 credits**

This is a studio class that explores the intersection of contemporary art and technology. Students will be introduced to tools including microcontrollers, robotics, 3D printers, and the laser cutter to create original art that responds to issues relevant to modern culture and their personal experiences. Art and Tech I will focus on both contemporary and historical artists and art forms, tool training, developing skills, and making meaning through art making. Collaborative projects will be encouraged. Art and Technology I and II can be taken consecutively to fulfill the 5-credit Fine Arts Graduation Requirement.

AC3611Z Art and Technology II - Curriculum A**Grades 9, 10, 11, 12****2.5 credits**

This is a studio class that explores the intersection of contemporary art and technology. Students will be introduced to tools including microcontrollers, robotics, 3D printers, and the laser cutter to create original art that responds to issues relevant to modern culture and their personal experiences. Art and Tech II will also focus on both contemporary and historical artists and art forms, developing higher level skills, and making meaning through art making. Collaborative projects will be encouraged. Art and Tech II give students the opportunity to apply skills learned in Art and Technology I and to create personal artwork on a more independent basis. Art and Technology I and II can be taken consecutively to fulfill the 5-credit Fine Arts Graduation Requirement. **Prerequisite Art and Technology I**

AC3600Z Ceramic Sculpture and Pottery I - Curriculum A**Grades 10, 11, 12****2.5 credits**

This half-year course introduces students to the use of clay as a sculptural material to create both functional and aesthetic objects.. Through this course students are able to develop their own personal style through hand building and wheel throwing. Students use clay to convey meaning and emotion while creating personalized works of art. A variety of surface treatments and glazing techniques will be taught. Students learn how clay is being used now in the contemporary art world as well as historical approaches in many world cultures. This course fulfills 2.5 credits toward the 5-credit Fine Art Graduation Requirement.

Suggested Entry Criteria: "Foundations in Studio Art" (formerly called Art I) or permission of the instructor

AC3603Z Ceramic Sculpture and Pottery II - Curriculum A**Grades 10, 11, 12****2.5 credits**

In this half-year course, students expand their technical skills using clay to create personally meaningful works of art that are functional, sculptural and aesthetic. Students are challenged to develop more sophisticated thinking and making skills to explore the expressive and sculptural possibilities of clay as well as to create more complex useful ceramic vessels. The course includes a variety of hand building and wheel-throwing techniques, pushes the potential for large-scale works, and further explores surface treatments and glazing techniques. Projects and techniques are taught with reference to contemporary and historical art and ceramics from around the world. Previous student experience with clay is preferred. This course fulfills one half of the Fine Arts Graduation Requirement.

Suggested Entry Criteria: "Foundations in Studio Art" (or permission of the instructor).

AC3825Z Drawing I - Curriculum A**Grades *9, 10, 11, 12****2.5 credits**

Drawing I provides an introduction to the foundational skills of drawing using a wide range of media and contemporary methods. Students develop new ways of seeing and interpreting organic and man-made forms. Unusual perspectives, compositions, and viewpoints will be explored. Throughout the course, students experiment with abstraction, surrealism, conceptual, and representational (realistic) artistic styles. Students develop skills in analyzing and discussing artwork as they study and research a range of artists' drawings, styles, methods, and processes. Students also understand that they can communicate personal ideas and express their artistic identities through the act of drawing. Formal issues in drawing such as the use of mark-making, line, space, scale, light and dark and composition are studied. Students maintain an active sketchbook for planning, idea development, and out-of-school assignments.

This course fulfills one half of the Fine Arts Graduation Requirement

Suggested Entry Criteria: "Foundations in Studio Art" (* or permission of the instructor).

AC3826Z Drawing II - Curriculum A**Grades * 9, 10, 11, 12 2.5 credits**

In this more advanced drawing course students investigate a broad range of approaches to drawing. Students learn that creative drawing is an art form in its own right. Students explore different ways of using materials and tools to communicate and express personal ideas and interests. Drawing II builds on students' skills in the use of mark-making, line, scale, space, light and dark and composition in styles that emphasize both realism and abstraction and in both contemporary and historical contexts. Students discover that "drawing" can include all kinds of media including dry and liquid media, collage, and even three-dimensional drawing materials. Students maintain an active sketchbook for planning, idea development, and out-of-school assignments.

This course fulfills one half of the Fine Arts Graduation Requirement

Suggested Entry Criteria: "Foundations in Studio Art" (* or permission of the instructor).

AC3602Z Sculptural and Functional Woodworking - Curriculum A Grades 9, 10, 11, 12 5 credits

Sculptural and Functional Woodworking is a yearlong class that cultivates students' skills related to designing and fabricating both functional and sculptural structures from wood. This class explores the relationship between functional and non-functional artworks through discussion and making. Students are introduced to relevant tools, skills, and projects that are presented in an open-ended way. This approach encourages creative problem solving and requires students to design and build one-of-a-kind objects. The projects are also presented in the context relevant to professional fields including carpentry, architecture, sculpture, and industrial design. **This course fulfills the 5-credit Fine Arts Graduation Requirement. (Formerly called Wood Tech)**

AC3613Z Woodworking II - Curriculum A**Grades 10, 11, 12 5 credits**

Woodworking II is a yearlong class for students who have completed Woodworking I and are interested in further developing their skills. The assignments will include problem solving and completing building projects in the AHS community as well as creating original work. Permission of the instructor is required.

Prerequisite: Wood Tech.

PE7916Z Athletic Training**Grades 11, 12 2.5 credits**

This course provides high school students with a general overview of athletic training and sports medicine. It includes introductory information about the AT's scope of practice: injury prevention, treatment, rehabilitation, emergency injury management and administrative functions. This course is intended to help students gain an understanding of sports medicine, various associated disciplines and the role they play in the physically active community. This course is led by a certified and licensed Athletic Trainer.

SC4009Z Advanced Placement Physics 3**Grades 11, 12 5 credits**

Physics 3: Mechanics is designed to be the equivalent of a college, calculus based physics course in mechanics. It adheres to the requirements of the College Board AP C Mechanics curriculum. It will provide instruction in each of the following six content areas: kinematics; Newton's laws of motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation – and appropriate laboratory experiences. Analysis of problems as well as the AP Physics C exam will expect the use of calculus as a fundamental tool, and therefore AP Physics C requires a sound knowledge of Calculus by the student.

Suggested Entry Criteria: Successful completion or knowledge of fundamental Calculus skills and general excellence in prior science and math classes. Teacher and Science Director approval is required. (For Grade 11 or 12, may enroll with recommendation of the math and science teacher, and permission of the Science Director are required. It will be available only if enrollment minimums are reached and if staffing is available.)

SS7804Z AP Human Geography**Grades 10, 11, 12 5 credits**

The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts

and landscape analysis to examine socio economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012).

NOTE: Students choosing to take this AP level course will be responsible for completing a summer assignment and will be assessed within the first week of school.

SS7293Z The Economics of Personal Finance

Grades 11, 12

2.5 credits

The world of personal finance can be overwhelming. From credit cards to mortgages and more, Personal Finance is here to explain the essential information you need to know to make financially smart decisions for the rest of your life. This Introduction to Personal Finance focuses on the foundations of financial planning—such as setting short-term and long-term financial goals—and then tackles essential aspects of consumer personal finance, including record keeping, budgeting, banking, saving, borrowing, investing, insurance, taxes, and retirement planning. By the end, you will feel more confident about making informed and reasoned financial choices with regard to your professional and personal lives. Your bank account will thank you later. This is a college course offered on-site at Arlington High School through a partnership with Syracuse University. All students taking the one semester class will receive a grade at the AP weight for the course on their Arlington High transcript. Additionally, students may opt to pay a nominal fee of \$336 for three SU credits. Students on free/reduced lunches can take the course for credit at a greatly reduced fee (See History Dept Head Denny Conklin). Typically, colleges will accept the Syracuse credits with a grade for transfer credit.

SS7295Z Introduction to Economics (Semester Course)

Grades 11, 12

2.5 credits

Students will engage in a study of basic micro and macro economic principles to enhance their understanding of capitalism to help them become strong citizens and make astute financial decisions. In particular they will examine the powers of the Federal Reserve and federal government as well as scrutinize the economic theories employed by Democratic and the Republican parties. Then the students will create a business to enhance their understanding of microeconomic concepts. The class concludes with an examination of the role of the consumer; here students learn personal finance life skills such as making a budget, learning wise shopping strategies, learning how to achieve a strong credit score, how to avoid credit card debt, and how to save for retirement.

**Students have the option of earning Honors Credit through more challenging research and project work*

SS7805Z Participation in Government: Public Policy (Non-SUPA) Grades 10, 11, 12 (Semester course)

2.5 credits

This course uses a collaborative, hands-on approach to give students a better understanding of how effective public policy is created. At the beginning of the semester, students will identify a social problem at the town or school level and work in groups to come up with a proposed public policy that deals with that problem. They will forecast the impact of that policy, analyze the political factors affecting the policy, and develop strategies to implement the proposed public policy. While studying their particular public policy issue, students will enhance basic research, communication, and decision-making skills and will develop a range of applied social science skills that will help them to make more informed choices as citizens, as workers, and as consumers.

**Students have the option of earning Honors Credit through more challenging research and project work.*

SS7390Z Social History Through Sports (Semester course)

Grades 10, 11, 12

2.5 credits

Students will be examine historical social issues such as race, gender, political unrest, war, and religion through the lens of sports. The course will utilize a case study approach to give students a detailed sense of the historical time period, the social issue, its relationship to a specific sport, and the legacy of the social issue/sport the continues through today. Possible topics include: breaking the color barrier (baseball), religious rights and war (boxing), racial bias & the judicial system (football), gender inequality (tennis), labor unions and strikes (baseball), and human rights (cricket and rugby). By the end of the course, students will see sports beyond fandom, competition, and athletic skill; rather they will understand how sports have functioned as both a reflection of social issues, but also a vehicle to move them forward.

** Students have the option of earning Honors Credit through more challenging research and project work.*

Still in discussion:

PE R.A.D. Basic Physical Self Defense Grades 11,12 2.5 credits

This course is designed for students who identify as female who would like to learn self defense skills. The course is led by a certified R.A.D. Instructor and pairs up with the Arlington Police Department for instructional lessons. The Cornerstone of R.A.D. Systems, this course has its foundations in education and awareness. The course includes lecture, discussion and self-defense techniques suitable for women of all ages and abilities.

PE R.A.D. for Men Grades 11,12 2.5 credits

This course is designed for students who identify as male who would like to: raise their awareness of aggressive behavior, recognize how aggressive behavior impacts their lives, learn steps to avoid aggressive behavior, consider how they can be part of reducing aggression and violence, and practice hands-on self-defense skills to resist and escape aggressive behavior directed toward them. This program is designed to empower participants to make safer choices when confronted with aggressive behavior.

Policies:

This is to be submitted to the policy team

Homeschool Students at AHS

APS policy allows students to attend selected courses at AHS with parental permission.

Homeschool students are expected to remain in good standing, abide by the code of conduct and AHS attendance policies. Specifically, this means that the student will be subject to the following expectations.

- The student will abide by the Arlington High School discipline code.
- The student will attend class every day on time in accordance with the attendance policy.
- The student will not remain on school grounds during their unscheduled time
- The student will receive an AHS transcript for grades and credits earned.

Should the conditions not be followed, Administration may revisit the student's participation in classes at AHS. If the student is eligible for special education any change in services is subject to state and federal laws governing students eligible for special education.



Town of Arlington, Massachusetts

Approval of minutes 12 11 2018 CIAA/Budget Minutes

ATTACHMENTS:

Type	File Name	Description
▢ Minutes	CIAA-Budget_Minutes_12_11_18_DRAFT.docx	12 11 2018 CIAA Budget Minutes draft

Arlington School Committee
Joint Meeting of Budget Subcommittee and
Curriculum, Instruction, Assessment & Accountability Subcommittee

Meeting Minutes
Thursday, December 11, 2018 @ 8:00 a.m.

Attendance

CIAA Subcommittee Members: Jeff Thielman (Chair), Jane Morgan, Paul Schlichtman

Budget Subcommittee Members: Len Kardon (Chair), Jane Morgan

District Leadership: Kathleen Bodie, Ed.D. (Superintendent), Rod MacNeal (Asst. Superintendent), John Danizio (Chief Financial Officer), Lizz Montes (School Accountant)

School Committee members:

The meeting was called to order at 8:10 a.m.

1. **Public participation**
2. **Approval of minutes** – JT moved, JM second, unanimous
3. **Update on town Long Range Plan/override discussions** – Len gave update, reviewed override scenarios and possible impact of school needs on budget
4. **Review and discuss draft multi-year plan**
 - Reviewed summary of total plan costs and funding available
 - Reviewed and discussed individual items
5. **Next steps in multi-year planning process**– Present plan at PTO meetings in February. Len to put together powerpoint presentation to be used.
6. **New Business**
 - None
7. **Next Meeting**
 - Early January to review powerpoint – Len to send out doodle

The meeting adjourned at 9:40 a.m. upon a motion made by Ms. Morgan, seconded by Ms. Morgan with unanimous approval.



Town of Arlington, Massachusetts

Review draft Long Range Plan Presentation



Town of Arlington, Massachusetts

Review and discuss draft multi-year plan



Town of Arlington, Massachusetts

Next steps in multi-year planning process



Town of Arlington, Massachusetts

Other new business



Town of Arlington, Massachusetts

Adjournment



Town of Arlington, Massachusetts

Submitted by Len Kardon, Budget Chair